

CLAIMS

1. A filmy object containing an electrically conductive polymer, characterized in that

(1) said electrically conductive polymer is one obtained by the electrolytic polymerization method and

(2) upon immersion in a good solvent, said filmy object expands to come to have a film surface area larger by 30% or more than the film surface area before the immersion.

2. The filmy object of Claim 1, wherein, in said electrically conductive polymer, the monomer is pyrrole and/or a pyrrole derivative.

3. The filmy object of Claim 1, wherein said good solvent is a polar organic solvent.

4. The filmy object of Claim 1, wherein said good solvent is acetone or propylene carbonate.

5. The filmy object of Claim 1, wherein, after the immersion, the filmy object expands to come to have a film surface area larger by 60% or more than the film surface area before the immersion.

6. The filmy object of Claim 1, wherein, after the immersion, the filmy object expands to come to have a film surface area larger by 80% or more than the film surface area before the immersion.

7. The filmy object of Claim 1, characterized in that, in said electrolytic polymerization method, the monomer is pyrrole and/or a pyrrole derivative, and

the electrolyte solution contains perfluoroalkylsulfonylimide ion represented by the formula (1):

